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TI Coating compositions with good adsorption, strength, adiabatic property, and workability

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SO Jpn. Kokai Tokkyo Koho, 8 pp.
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CC 58-4 (Cement, Concrete, and Related Building Materials)
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AB The compns. useful for construction materials contain diatomaceous earth, hydraulic materials, and ≥2 air setting materials. Thus, a composition containing diatomaceous earth 25, white portland **cement** 25, dolomite plaster 15, CaO 5, TiO2 5, an aggregate 20, powder resins 2%, powder thickener, powder dispersing agent, and a pigment was kneaded with 80% H2O and applied on asbestos slate to give a coating showing good water absorption and adsorption to NH3 gas and formaldehyde.

ST diatomaceous earth white portland **cement** adsorption; air setting coating **cement** diatomaceous earth; dolomite plaster **cement** water absorption hydraulic

IT Coating materials
Photolysis catalysts
(coating compns. with good adsorption, strength, adiabatic property, and workability for construction materials)

IT Diatomite
RL: TEM (Technical or engineered material use); USES (Uses)
(coating compns. with good adsorption, strength, adiabatic property, and workability for construction materials)

IT **Cement**
(portland; coating compns. with good adsorption, strength, adiabatic property, and workability for construction materials)

IT 1305-62-0, Slaked lime, uses 1309-48-4, Magnesia, uses 13397-24-5, **Gypsum**, uses 16389-88-1, Dolomite, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(coating compns. with good adsorption, strength, adiabatic property, and workability for construction materials)

IT 13463-67-7, Titanium dioxide, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(**photocatalyst**; coating compns. with good adsorption, strength, adiabatic property, and workability for construction materials)